

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to drains of
kariyanna layout main road in ward no.07
Byataranapura.

Measurements sheets

Estimate cost:75.00 lakhs

Ward 7 byatarayanapura

BRUHAT BANGALORE MAHANAGARA PALIKE								
MEASUREMENT SHEETS								
Name of the work :- Improvements to drains of kariyanna layout main road in ward no.07 Byataranapura.								
Item No:- 2								
Item name:-		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications..						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
	Date of Measurements							
	Veerannapalya							
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(6.4+5.7)/2	0.30	32.67	
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(5.9+6.0)/2	0.30	33.92	
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(4.9+4.5)/2	0.30	26.79	
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(4.7+5.7)/2	0.30	28.08	
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(5.7+6.4)/2	0.30	32.67	
	GKVK Layout Road							
	Towards Muslim Colony							
	Ch 0.00m to 15.00m		1	15.00	(4.1+4.3)/2	0.30	18.90	
	Ch 15.00m to 30.00m		1	15.00	(4.3+4.0)/2	0.30	18.68	
	Ch 30.00m to 45.00m		1	15.00	(4.0+4.4)/2	0.30	18.90	
	Ch 45.00m to 60.00m		1	15.00	(4.4+4.4)/2	0.30	19.80	
	Veerannapalya							
	5th Cross							
	CH 0.00m to 30.00m		1	30.00	1.20	0.90	32.40	
	CH 30.0m to 52.00m		1	22.00	1.20	0.90	23.76	
	6th Cross							
	CH 0.00m to 30.00m		1	30.00	1.20	0.90	32.40	
	CH 30.0m to 60.00m		1	30.00	1.20	0.90	32.40	
	CH 60.00m to 90.00m		1	30.00	1.20	0.90	32.40	
	CH 90.00m to 118.00m		1	28.00	1.20	0.90	30.24	
	Sandhyagappa layout drains							
	1st cross							
	CH 0.00m to 30.00m		1	30.00	1.00	0.90	27.00	
	CH 30.0m to 60.00m		1	30.00	1.00	0.90	27.00	
	CH 60.0m to 63.00m		1	3.00	1.00	0.90	2.70	

470.71

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Velahanka Zone, B.B.M.P.,
Bangalore.

Item No:- 3								
Item name:-		Providing and laying in position plain cement concrete of nominal mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification .						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Measurements								
Veerannapalya								
Cross Road								
	Ch 0.00m to 18.00m		1	18.00	(6.4+5.7)/2	0.175	19.06	
Cross Road								
	Ch 0.00m to 19.00m		1	19.00	(5.9+6.0)/2	0.175	19.78	
Cross Road								
	Ch 0.00m to 19.00m		1	19.00	(4.9+4.5)/2	0.175	15.63	
Cross Road								
	Ch 0.00m to 18.00m		1	18.00	(4.7+5.7)/2	0.175	16.38	
Cross Road								
	Ch 0.00m to 18.00m		1	18.00	(5.7+6.4)/2	0.150	16.34	
GKVK Layout Road Towards Muslim Colony								
	Ch 0.00m to 15.00m		1	15.00	(4.1+4.3)/2	0.15	9.45	
	Ch 15.00m to 30.00m		1	15.00	(4.3+4.0)/2	0.15	9.34	
	Ch 30.00m to 45.00m		1	15.00	(4.0+4.4)/2	0.15	9.45	
	Ch 45.00m to 60.00m		1	15.00	(4.4+4.4)/2	0.15	9.90	
Veerannapalya								
5th Cross								
	CH 0.00m to 30.00m		1	30.00	1.20	0.15	5.40	
	CH 30.0m to 52.00m		1	22.00	1.20	0.15	3.96	
6th Cross								
	CH 0.00m to 30.00m		1	30.00	1.20	0.15	5.40	
	CH 30.0m to 60.00m		1	30.00	1.20	0.15	5.40	
	CH 60.00m to 90.00m		1	30.00	1.20	0.15	5.40	
	CH 90.00m to 118.00m		1	28.00	1.20	0.15	5.04	
Sandhyagappa layout drains								
1st cross								
	CH 0.00m to 30.00m		1	30.00	1.00	0.15	4.50	
	CH 30.0m to 60.00m		1	30.00	1.00	0.15	4.50	
	CH 60.0m to 63.00m		1	3.00	1.00	0.15	0.45	
2nd cross								
	CH 0.00m to 30.00m		1	30.00	1.00	0.15	4.50	
	CH 30.0m to 60.00m		1	30.00	1.00	0.15	4.50	
	CH 60.0m to 63.00m		1	3.00	1.00	0.15	0.45	
3rd cross								
	CH 0.00m to 30.00m		2	30.00	1.00	0.15	9.00	

Engineer
Division
B.B.M.P.

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

	CH 30.00m to 36.00m		2	6.00	1.00	0.15	1.80	
	2nd Main							
	CH 0.00m to 30.00m		2	30.00	1.00	0.15	9.00	
	CH 30.0m to 60.00m		2	30.00	1.00	0.15	9.00	
	CH 60.00m to 77.00m		2	17.00	1.00	0.15	5.10	
	Mother Theresa Road							
	CH 0.00m to 30.00m		1	30.00	1.20	0.15	5.40	
	CH 30.0m to 60.00m		1	30.00	1.20	0.15	5.40	
	CH 60.00m to 90.00m		1	30.00	1.20	0.15	5.40	
	Amruthalli Main Road (infront of new apartment)							
	CH 0.00m to 30.00m		1	30.00	1.20	0.15	5.40	
	CH 30.0m to 40.50m		1	10.50	1.20	0.15	1.89	
		cum			Total Quantity		232.21	
					Qty Limited To		232.01	

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engi

PMC

Item	
SL No	Particulars
1	
Date of Month	
	Vehicle
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Item No:- 5		Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per						
Item name:-								
SL No	Particulars	Length, M	No	Length, M	Total length, M	Density, y	Quantity, Kg	Remarks
1	2	3	4	5.00	6.00	7.00	8	9
Date of Measurements								
Veerannapalya								
5th Cross								
	Main Bars	0-30M	240	2.10	504.00	0.62	312.48	
	Distribution Bars		18	30.00	540.00	0.39	210.60	
	Main Bars	30-52M	176	2.10	369.60	0.62	229.15	
	Distribution Bars		18	22.00	396.00	0.39	154.44	
6th Cross								
	Main Bars	0-30M	240	2.10	504.00	0.62	312.48	
	Distribution Bars		18	30.00	540.00	0.39	210.60	
	Main Bars	30-60M	240	2.10	504.00	0.62	312.48	
	Distribution Bars		18	30.00	540.00	0.39	210.60	
	Main Bars	60-90M	240	2.10	504.00	0.62	312.48	
	Distribution Bars		18	30.00	540.00	0.39	210.60	
	Main Bars	90-	224	2.10	470.40	0.62	291.65	
	Distribution Bars		18	28.00	504.00	0.39	196.56	
Sandhyagappa layout drains								
1st cross								
	Main Bars	0-30M	240	2.00	480.00	0.62	297.60	
	Distribution Bars		17	30.00	510.00	0.39	198.90	
	Main Bars	30-60M	240	2.00	480.00	0.62	297.60	
	Distribution Bars		17	30.00	510.00	0.39	198.90	
	Main Bars	60-63M	24	2.00	48.00	0.62	29.76	
	Distribution Bars		17	3.00	51.00	0.39	19.89	
2nd cross								
	Main Bars	0-30M	240	1.70	408.00	0.62	252.96	
	Distribution Bars		15	30.00	450.00	0.39	175.50	
	Main Bars	30-60M	240	1.70	408.00	0.62	252.96	
	Distribution Bars		15	30.00	450.00	0.39	175.50	
	Main Bars	60-63M	24	1.70	40.80	0.62	25.30	
	Distribution Bars		15	3.00	45.00	0.39	17.55	
3rd cross								
	Main Bars	0-30M	480	1.70	816.00	0.62	505.92	2 Sides
	Distribution Bars		28	30.00	840.00	0.39	327.60	
	Main Bars	30-36M	96	1.70	163.20	0.62	101.18	2 Sides
	Distribution Bars		28	6.00	168.00	0.39	65.52	

5906.76

NDP

DET (W)

23/5/2020

Executive Engineer

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

	2nd Main							
	Main Bars	0-30M	480 ✓	1.65 ✓	792.00	0.62	491.04 ✓	2 Sides
	Distribution Bars		27 ✓	30.00 ✓	810.00	0.39	315.90 ✓	
	Main Bars	30-60M	480 ✓	1.65 ✓	792.00	0.62	491.04 ✓	2 Sides
	Distribution Bars		27 ✓	30.00 ✓	810.00	0.39	315.90 ✓	
	Main Bars	60-77M	272 ✓	1.65 ✓	448.80	0.62	278.26 ✓	2 Sides
	Distribution Bars		27 ✓	17.00 ✓	459.00	0.39	179.01 ✓	
	Mother Theresa Road							
	Main Bars	0-30M	240 ✓	2.10 ✓	504.00	0.62	312.48 ✓	
	Distribution Bars		18 ✓	30.00 ✓	540.00	0.39	210.60 ✓	
	Main Bars	30-60M	240 ✓	2.10 ✓	504.00	0.62	312.48 ✓	
	Distribution Bars		18 ✓	30.00 ✓	540.00	0.39	210.60 ✓	
	Main Bars	60-90M	240 ✓	2.10 ✓	504.00	0.62	312.48 ✓	
	Distribution Bars		18 ✓	30.00 ✓	540.00	0.39	210.60 ✓	
	Amruthalli Main Road (infront of new apartment)							
	Main Bars	0-30M	240 ✓	2.80 ✓	672.00	0.62	416.64 ✓	
	Distribution Bars		23 ✓	30.00 ✓	690.00	0.39	269.10 ✓	
	Main Bars	30-	84 ✓	2.80 ✓	235.20	0.62	145.82 ✓	
	Distribution Bars		23 ✓	10.50 ✓	241.50	0.39	94.19 ✓	
							10472.90 ✓	4866.14
		Tonne			Total Quantity		10.47	

YODP
 Assistant Executive Engineer,
 Byatarayanapura Sub-division
 KRIDL, BBMP Bangalore

Cake
 Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

PMC

M. N. D.
 Assistant Engineer

Any
 Assistant Executive Engineer
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

Item No:- 6								
Item name:-		Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Mreasurements								
Veerannapalya								
5th Cross								
	CH 0.00m to 30.00m		4	30.00		0.60	72.00	
	CH 30.0m to 52.00m		4	22.00		0.60	52.80	
6th Cross								
	CH 0.00m to 30.00m		4	30.00		0.60	72.00	
	CH 30.0m to 60.00m		4	30.00		0.60	72.00	
	CH 60.00m to 90.00m		4	30.00		0.60	72.00	
	CH 90.00m to 118.00m		4	28.00		0.60	67.20	
Sandhyagappa layout drains								
1st cross								
	CH 0.00m to 30.00m		4	30.00		0.60	72.00	
	CH 30.0m to 60.00m		4	30.00		0.60	72.00	
	CH 60.0m to 63.00m		4	3.00		0.60	7.20	
2nd cross								
	CH 0.00m to 30.00m		4	30.00		0.45	54.00	
	CH 30.0m to 60.00m		4	30.00		0.45	54.00	
	CH 60.0m to 63.00m		4	3.00		0.45	5.40	
3rd cross								
	CH 0.00m to 30.00m		8	30.00		0.45	108.00	
	CH 30.00m to 36.00m		8	6.00		0.45	21.60	
2nd Main								
	CH 0.00m to 30.00m		8	30.00		0.45	108.00	
	CH 30.0m to 60.00m		8	30.00		0.45	108.00	
	CH 60.00m to 77.00m		8	17.00		0.45	61.20	
Mother Theresa Road								
	CH 0.00m to 30.00m		8	30.00		0.60	144.00	
	CH 30.0m to 60.00m		8	30.00		0.60	144.00	
	CH 60.00m to 90.00m		8	30.00		0.60	144.00	
Amruthalli Main Road (infront of new apartment)								
	CH 0.00m to 30.00m		4	30.00		0.90	108.00	
	CH 30.0m to 40.50m		4	10.50		0.90	37.80	
		Sqm				Net Qty	1657.20	
						Qty Limited To	1379.40	

Executive Engineer
Division
B.M.P.,

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

Assistant Executive Engineer
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

Item No. 4								
Item name:-			KSRB 4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.460 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts buttresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No.					
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Mreasurements								
Bottom								
Veerannapalya Drains								
5th Cross								
	CH 0.00m to 30.00m		1	30	0.90	0.15	4.05	
	CH 30.0m to 52.00m		1	22	0.90	0.15	2.97	
6th Cross								
	CH 0.00m to 30.00m		1	30	0.90	0.15	4.05	
	CH 30.0m to 60.00m		1	30	0.90	0.15	4.05	
	CH 60.00m to 90.00m		1	30	0.90	0.15	4.05	
	CH 90.00m to 118.00m		1	28	0.90	0.15	3.78	
Sandhyagappa layout drains								
1st cross								
	CH 0.00m to 30.00m		1	30	0.80	0.15	3.60	
	CH 30.0m to 60.00m		1	30	0.80	0.15	3.60	
	CH 60.0m to 63.00m		1	3	0.80	0.15	0.36	
2nd cross								
	CH 0.00m to 30.00m		1	30	0.80	0.15	3.60	
	CH 30.0m to 60.00m		1	30	0.80	0.15	3.60	
	CH 60.0m to 63.00m		1	3	0.80	0.15	0.36	
3rd cross								
	CH 0.00m to 30.00m		2	30	0.80	0.15	7.20	
	CH 30.00m to 36.00m		2	6	0.80	0.15	1.44	
2nd Main								
	CH 0.00m to 30.00m		2	30	0.75	0.15	6.75	
	CH 30.0m to 60.00m		2	30	0.75	0.15	6.75	
	CH 60.00m to 77.00m		2	17.00	0.75	0.15	3.83	
Mother Theresa Road								
	CH 0.00m to 30.00m		1	30	0.90	0.15	4.05	
	CH 30.0m to 60.00m		1	30	0.90	0.15	4.05	
	CH 60.00m to 90.00m		1	30	0.90	0.15	4.05	

76.19

76.19

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.G.M.P
Bangalore.

Amruthalli Main Road (infront of new apartment)							
CH 0.00m to 30.00m	1	30	1.00	0.15	4.50		
CH 30.0m to 40.50m	1	10.50	1.00	0.15	1.58		
Side Wall							
Veerannapalya Drains							
5th Cross							
CH 0.00m to 30.00m	2	30.00	0.15	0.60	5.40		
CH 30.0m to 52.00m	2	22.00	0.15	0.60	3.96		
6th Cross							
CH 0.00m to 30.00m	2	30.00	0.15	0.60	5.40		
CH 30.0m to 60.00m	2	30.00	0.15	0.60	5.40		
CH 60.00m to 90.00m	2	30.00	0.15	0.60	5.40		
CH 90.00m to 118.00m	2	28.00	0.15	0.60	5.04		
Sandhyagappa layout drains							
1st cross							
CH 0.00m to 30.00m	2	30.00	0.15	0.60	5.40		
CH 30.0m to 60.00m	2	30.00	0.15	0.60	5.40		
CH 60.0m to 63.00m	2	3.00	0.15	0.60	0.54		
2nd cross							
CH 0.00m to 30.00m	2	30.00	0.15	0.45	4.05		
CH 30.0m to 60.00m	2	30.00	0.15	0.45	4.05		
CH 60.0m to 63.00m	2	3.00	0.15	0.45	0.41		
3rd cross							
CH 0.00m to 30.00m	4	30.00	0.15	0.45	8.10		
CH 30.00m to 36.00m	4	6.00	0.15	0.45	1.62		
2nd Main							
CH 0.00m to 30.00m	4	30.00	0.15	0.45	8.10		
CH 30.0m to 60.00m	4	30.00	0.15	0.45	8.10		
CH 60.00m to 77.00m	4	17.00	0.15	0.45	4.59		
Mother Theresa Road							
CH 0.00m to 30.00m	2	30.00	0.15	0.60	5.40		
CH 30.0m to 60.00m	2	30.00	0.15	0.60	5.40		
CH 60.00m to 90.00m	2	30.00	0.15	0.60	5.40		
Amruthalli Main Road (infront of new apartment)							
CH 0.00m to 30.00m	2	30.00	0.15	0.90	8.10		
CH 30.0m to 40.50m	2	10.50	0.15	0.90	2.84		
	cum			Net Qty	190.35		

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Item No:- 2								
Item name:-		KSRRB M300-53. Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications.(which includes cost of gravel / murum, watering charges & compaction by vibratory roller)(P-147., It No: 19.60)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Mreasurements								
	Veerannapalya							
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(6.4+5.7)/2	0.15	16.34	
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(5.9+6.0)/2	0.15	16.96	
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(4.9+4.5)/2	0.15	13.40	
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(4.7+5.7)/2	0.15	14.04	
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(5.7+6.4)/2	0.15	16.34	
	GKVK Layout Road Towards Muslim Colony							
	Ch 0.00m to 15.00m		1	15.00	(4.1+4.3)/2	0.15	9.45	
	Ch 15.00m to 30.00m		1	15.00	(4.3+4.0)/2	0.15	9.34	
	Ch 30.00m to 45.00m		1	15.00	(4.0+4.4)/2	0.15	9.45	
	Ch 45.00m to 60.00m		1	15.00	(4.4+4.4)/2	0.15	9.90	
		cum			Net Qty		115.20	

Prodd
Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Code
Assistant Executive Engineer,
Kodigehalli Sub-Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

NDP
DEL
18/5

Item No:- 8 / 0								
Item name:-		Cement concrete pavement. Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplasticiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc., complete as per						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Measurements								
	Veerannapalya							
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(6.4+5.7)/2	0.10	10.89	
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(5.9+6.0)/2	0.10	11.31	
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(4.9+4.5)/2	0.10	8.93	
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(4.7+5.7)/2	0.10	9.36	
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(5.7+6.4)/2	0.10	10.89	
	GKVK Layout Road Towards Muslim Colony							
	Ch 0.00m to 15.00m		1	15.00	(4.1+4.3)/2	0.10	6.30	
	Ch 15.00m to 30.00m		1	15.00	(4.3+4.0)/2	0.10	6.23	
	Ch 30.00m to 45.00m		1	15.00	(4.0+4.4)/2	0.10	6.30	
	Ch 45.00m to 60.00m		1	15.00	(4.4+4.4)/2	0.10	6.60	
	cum			Total Quantity			76.80	

C. K. K.
R. V. J.
 Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

S. S. S.
 Assistant Executive Engineer,
 Byatarayanapura Sub-division
 KRIDL, BBMP Bangalore

M. N. D.
 Assistant Engineer

R. V. J.
 Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

Item No:- 9 / 1								
Item name:-		Vacuum Dewatering with vacuum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery screed vibrator, power floater, blade and disc etc., with all leads and lift. (Pg.No.176, It.22.7)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Measurements								
Veerannapalya								
Cross Road								
	Ch 0.00m to 18.00m		1	18.00	(6.4+5.7)/2		108.90	✓
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(5.9+6.0)/2		113.05	✓
	Cross Road							
	Ch 0.00m to 19.00m		1	19.00	(4.9+4.5)/2		89.30	✓
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(4.7+5.7)/2		93.60	✓
	Cross Road							
	Ch 0.00m to 18.00m		1	18.00	(5.7+6.4)/2		108.90	✓
GKVK Layout Road Towards Muslim Colony								
	Ch 0.00m to 15.00m		1	15.00	(4.1+4.3)/2		63.00	✓
	Ch 15.00m to 30.00m		1	15.00	(4.3+4.0)/2		62.25	✓
	Ch 30.00m to 45.00m		1	15.00	(4.0+4.4)/2		63.00	✓
	Ch 45.00m to 60.00m		1	15.00	(4.4+4.4)/2		66.00	✓
		Sqm		Total Quantity			768.00	✓
Item No:- 7								
Item name:-		Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick well compacted cost of all materials labour curing complete as per specifications (Data Rate Approved)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Measurements								
Veerannapalya								
5th Cross								
	CH 0.00m to 30.00m		50		0.60	0.90	27.00	✓
	CH 30.0m to 52.00m		37		0.60	0.90	19.98	✓
6th Cross								
	CH 0.00m to 30.00m		50		0.60	0.90	27.00	✓
	CH 30.0m to 60.00m		50		0.60	0.90	27.00	✓
	CH 60.00m to 90.00m		50		0.60	0.90	27.00	✓
	CH 90.00m to 118.00m		47		0.60	0.90	25.38	✓

M. S. (M.P.)

153.36

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Walahanka Zone, B.B.M.P.,
Bangalore.

Sandhyagappa layout drains								
1st cross								
CH 0.00m to 30.00m		50.00		0.60	0.90	27.00		
CH 30.0m to 60.00m		50.00		0.60	0.90	27.00		
CH 60.0m to 63.00m		5.00		0.60	0.90	2.70		
2nd cross								
CH 0.00m to 30.00m		50.00		0.60	0.90	27.00		
CH 30.0m to 60.00m		50.00		0.60	0.90	27.00		
CH 60.0m to 63.00m		5.00		0.60	0.90	2.70		
3rd cross								
CH 0.00m to 30.00m		100.00		0.60	0.90	54.00		
CH 30.00m to 36.00m		20.00		0.60	0.90	10.80		
2nd Main								
CH 0.00m to 30.00m		100.00		0.60	0.90	54.00		
CH 30.0m to 60.00m		100.00		0.60	0.90	54.00		
CH 60.00m to 77.00m		56.00		0.60	0.90	30.24		
Mother Theresa Road								
CH 0.00m to 30.00m		50.00		0.60	0.90	27.00		
CH 30.0m to 60.00m		50.00		0.60	0.90	27.00		
CH 60.00m to 90.00m		50.00		0.60	0.90	27.00		
Amruthalli Main Road (infront of new apartment)								
CH 0.00m to 30.00m		50.00		0.60	0.90	27.00		
CH 30.0m to 40.50m		18.00		0.60	0.90	9.72		
Amruthalli								
CH 0.00m to 30.00m		50.00		0.60	0.90	27.00		
CH 30.0m to 60.00m		50.00		0.60	0.90	27.00		
CH 60.00m to 90.00m		50.00		0.60	0.90	27.00		
CH 90.00m to 120.00m		50.00		0.60	0.90	27.00		
CH 120.00m to		50.00		0.60	0.90	27.00		
CH 150.00m to		18.00		0.60	0.90	9.72		
		Sqm		Net Qty			732.24	
Item name:-8		Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete.Pg No. 27, Item No.5.29.1						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Mreasurements								
Amruthalli								
CH 0.00m to 19.50m			1	19.50			19.50	
							19.50	
				TOTAL(total length/0.45)			43.33	
		Nos			Net Qty		43.00	
Item No:- 9								

PMC

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

M.M.U.N.D.
Assistant Engineer

Assistant Executive Engineer,
Kodigenahalli Sub Division,
Velahanka Zone, B.B.M.P.,
Bangalore.

Item name:- 9		KSRB 5-9.1:Providing and applying ready mix priming coat over concrete / masonry, / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour complete as per specifications. Page No. 124 / Item No. 15.80						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Measurements								
Amruthalli								
CH 0.00m to 19.50m			43.00	0.45			19.35	
		Sqm			Net Qty		19.35	NDB 21/7
Item No:- 10								
Item name:-		KSRRB M2900-2.1. Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications. MORTH Specification No. 2900 B. 1200 mm dia MORTH Specification No. 1000,2300 Page No. 255, Item No. 34.7.8, PWD SR 2018-19						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6.00	7	8	9
Date of Measurements								
Sandhyagappa layout drains								
1st cross			1			3.00	3.00	
2nd cross			1			3.00	3.00	
3rd cross			1			3.00	3.00	
2nd Main			1			3.00	3.00	
		mtr			Net Qty		12.00	NDB 22/5
Item No:- 11								
Item name:-		Providing 100mm and down size nominal size. (Pg No.I.Item No.23)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6.00	7	8	9
Date of Measurements								
Sandhyagappa layout drains								
1st cross			1	(3.14x0.6*0.6)/4		1.20	0.34	
2nd cross			1	(3.14x0.6*0.6)/4		1.20	0.34	
3rd cross			1	(3.14x0.6*0.6)/4		1.20	0.34	
2nd Main			1	(3.14x0.6*0.6)/4		1.20	0.33	
		cum			Net Qty		1.35	NDB 23/5

Signature
 Assistant Executive Engineer,
 Kodigehalli Sub Division,
 Yelahanka Zone, B.B.M.P.,
 Bangalore.

Signature
 Assistant Executive Engineer,
 Byatarayanapura Sub-division
 KRIDL, BBMP Bangalore

Signature
 Assistant Engineer

Signature
 Assistant Executive Engineer
 Kodigehalli Sub Division
 Yelahanka Zone, B.B.M.P.
 Bangalore.

Item No:- 12		Providing 40mm and down size nominal size (Pg No.II.Item No.25)						
Item name:-								
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6.00	7	8	9
Date of Mreasurements								
Sandhyagappa layout								
	1st cross		1	(3.14x0.6*0.6)/4		0.40	0.11	
	2nd cross		1	(3.14x0.6*0.6)/4		0.40	0.11	
	3rd cross		1	(3.14x0.6*0.6)/4		0.40	0.11	
	2nd Main		1	(3.14x0.6*0.6)/4		0.40	0.11	
	cum				Net Qty		0.45	
Item No:- 13								
Item name:-		Providing 20mm and down size nominal size (Pg No.II.Item No.28)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6.00	7	8	9
Date of Mreasurements								
Sandhyagappa layout drains								
	1st cross		1	(3.14x0.6*0.6)/4		0.40	0.11	
	2nd cross		1	(3.14x0.6*0.6)/4		0.40	0.11	
	3rd cross		1	(3.14x0.6*0.6)/4		0.40	0.11	
	2nd Main		1	(3.14x0.6*0.6)/4		0.40	0.11	
	cum				Net Qty		0.45	
Item No:- 14								
Item name:-		Providing Fine aggregate 2.36mm nominal size (Pg No.II.Item No.32)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6.00	7	8	9
Date of Mreasurements								
Sandhyagappa layout drains								
	1st cross		1	(3.14x0.6*0.6)/4		0.30	0.08	
	2nd cross		1	(3.14x0.6*0.6)/4		0.30	0.08	
	3rd cross		1	(3.14x0.6*0.6)/4		0.30	0.08	
	2nd Main		1	(3.14x0.6*0.6)/4		0.30	0.08	
	cum				Net Qty		0.34	
Item No:- 15								
Item name:-		Providing and fixing MS Grating 260x260 mm (Page No.1X, SI No.234, code No.0771)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5	6.00	7	8	9
Date of Mreasurements								
Sandhyagappa layout drains								
	1st cross		2				2.00	
	2nd cross		2				2.00	
	3rd cross		2				2.00	
	2nd Main		2				2.00	
	Nos				Net Qty		8.00	

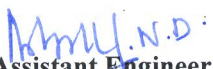
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2505298
Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Mhaly.N.D
Assistant Engineer

Assistant Executive Engineer,
Kodigumuru Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Item No:- 14								
Item name:-		KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)						
SL No	Particulars	Unit	Nos	L	B	D	Qty	Remarks
1	2	3	4	5.00	6.00	7.00	8.00	9
Date of Mreasurements								
				Qty same as Item No (1)			858.42	
		cum			Net Qty		858.42	
 Assistant Engineer Ward No.07  Assistant Executive Engineer Kodigehalli Sub-division Yelahanka Zone, B.B.M.P., Bangalore. Executive Engineer Byatarayanapura  Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP Bangalore								